

# 2019 Project Schedule Milestone Update

---

**Michael DeSocio**

Director, Market Design

**Budget and Priorities Working Group**

October 30<sup>th</sup>, 2019 - Krey Corporate Center

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED



# Project Milestone and Status Definitions

# Milestone Definitions

Milestone	Definition
Market Design Concept Proposed	NYISO has initiated, or furthered discussions with stakeholders that explore potential concepts to address opportunities for market efficiency or administration improvements.
Market Design Complete	NYISO has developed with stakeholders, a market design concept such that the proposal can be presented for a vote at the BIC or MC to define further action on the proposal.
Architectural Design	The architectural design document is complete and software development is ready to begin.
Functional Requirements	NYISO has completed documentation of the functional requirements and the Business Owner has approved.
Software Design	The software design document is complete and software development is ready to begin.
Development Complete	Development has been completed, packaged and approved by the Supervisor.
Deployment	Required software changes to support commitment have been integrated into the production environment.
Study Complete	Scope of work to be performed has been completed; results and recommendations have been presented to the appropriate Business Owners and stakeholders.
Study Defined	The scope of work for the study has been presented to stakeholders, including a discussion on the necessary input(s), assumption(s) and objective(s) of the study.

# Status Definitions

Status	Definition
Complete	Requirements for delivery have been satisfied.
At Risk/Delayed	Progress continues but project challenges may require moving the delivery date later in the same calendar year.
Not Started	NYISO is not actively working on the project but expects the delivery can still be met based on scope of deliverable and time left to deliver.
On Schedule	Project is proceeding according to the project plan with expectations of meeting the required delivery by its target date.
Critical/Overdue	Project is in progress but project challenges may require moving the delivery date to the next calendar year or beyond the date specified in corporate incentive goals.
Reprioritized	Project has been reprioritized; resources have been reallocated to address emerging business needs which may delay the delivery date to the next calendar year or beyond the date specified in corporate incentive goals.
Cancelled	Project has been cancelled; resources have been reallocated to other efforts and there are no plans to pursue this project any further.

# Project Types

Type	Definition
KP	Key project as identified in corporate incentive goal #6b
MP	Major project as identified in corporate incentive goal #6a
AP	Other approved project as identified in 2019 project budget
NP	New project to address emerging business needs

DRAFT – FOR DISCUSSION PURPOSES ONLY

# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<b><i>Business and Finance Products</i></b>				
Enterprise Information Management – Data Integration Phase IV	KP	Q2	Deployment	Critical/Overdue
S&P Credit Ratings Platform Change	MP	Q1	Deployment	Complete
Rate Schedule 12 Settlement	MP	Q2	Deployment	Complete
Financial Risk Assessment and Scoring Enhancement	MP	Q3	FRS	Complete
Oracle Financials Upgrade	MP	Q3	ADS	Complete
Finance Systems Strategic Vision Planning	MP	Q3	Study Complete	<b>Complete</b>

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED



# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i><b>Business and Finance Products (continued...)</b></i>				
FERC Form1 Redesign	AP	Q4	Deployment	Not Started
Vendor Management Tool	AP	Q2	SDS	Complete
Position Control System	AP	Q4	FRS	On Schedule

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY



# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Capacity Market Products</i>				
Enhancing Fuel and Energy Security	KP	Q2	Study Complete	At Risk /Delayed
Competitive Entry Exemption for Increased CRIS	MP	Q3	Market Design Complete	At Risk /Delayed
BSM Repowering	MP	Q3	Market Design Complete	At Risk /Delayed
Tailored Availability Metric	MP	Q3	Market Design Concept Proposed	At Risk /Delayed
Demand Curve Reset	MP	Q4	Study Defined	On Schedule
CRIS for External - ROS Transmission Investments	AP	Q3	Deployment	<b>Critical/Overdue</b>

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED



# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Capacity Market Products (continued...)</i>				
External Capacity Performance & Obligations	AP	Q3	Market Design Complete	<b>Complete</b>
ICAP AMS Redesign Phase III	AP	Q4	Deployment	<b>Critical/Overdue</b>

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>DER Products</i>				
DER Participation Model	NP	Q1	Market Design Complete	Complete
	MP	Q4	FRS	At Risk/Delayed
Enabling Technologies for DER	AP	Q2	Study Complete	At Risk/Delayed
NYISO Pilot Framework	AP	Q4	Study Complete	On Schedule

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED



# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i><b>Energy Market Products</b></i>				
Carbon Pricing	KP	Q2	Market Design Complete	Complete
More Granular Operating Reserves (SOM)	KP	Q3	Market Design Complete	At Risk/Delayed
ESR Participation Model (SOM)	KP	Q4	Development Complete	<b>Critical/Overdue</b>
Automated Default Mitigation Implementation	MP	Q3	SDS	<b>Complete</b>
Ancillary Services Shortage Pricing (SOM)	MP	Q4	Study Complete	On Schedule
Enhanced Fast Start Pricing	AP	Q3	FRS	At Risk/Delayed

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED



# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Energy Market Products (continued...)</i>				
Constraint Specific Transmission Shortage Pricing (SOM)	AP	Q2	Market Design Complete	<b>Critical/Overdue</b>
<b>Reserve for Resource Flexibility</b>	AP	Q3	Market Design Concept Proposed	<b>At Risk/Delayed</b>

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<b><i>Enterprise Products</i></b>				
Microsoft Systems Upgrade	MP	Q4	Deployment	At Risk /Delayed
Network Infrastructure Upgrade	MP	Q4	Deployment	On Schedule
Database Platform Upgrade - 2019	MP	Q4	Deployment	Complete
Application Platform Upgrade Phase - 2019	MP	Q4	Deployment	<b>Complete</b>
Identity and Access Management (IAM) - 2019	AP	Q3	Deployment	Complete
IT Infrastructure Automation	AP	Q4	Deployment	On Schedule

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED

# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<b><i>Operations &amp; Reliability Products</i></b>				
EMS/BMS System Upgrade	KP	Q4	Deployment	<b>Critical /Overdue</b>
EMS/BMS Workstation Upgrade	KP	Q4	Deployment	<b>Critical /Overdue</b>
PI System Upgrade	KP	Q4	Deployment	<b>Critical /Overdue</b>
Gurobi (MIP) Refresh	MP	Q4	Deployment	<b>At Risk /Delayed</b>
TOA Platform Upgrade Phase III	AP	Q4	Development Complete	<b>On Schedule</b>

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY

# 2019 Project Milestones

Project Name	Type	Qtr	Project Commitment	Commitment Status
<i>Planning Products</i>				
Interconnection Project Queue (or Portal) Automation	MP	Q3	Deployment	<b>Complete</b>
<b>Comprehensive System Planning Process Review</b>	MP	Q3	Market Design Complete	<b>At Risk /Delayed</b>
<b>Climate Change Impact and Resilience Study</b>	MP	Q4	Study Complete	On Schedule
<b>Deliverability and Interconnection Process Redesign</b>	NP	Q4	Study Complete	On Schedule

**Bold red** text indicates status update since last presentation

**Bold blue** text indicates projects under stakeholder discussions through the end of Q4

DRAFT – FOR DISCUSSION PURPOSES ONLY



# Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



[www.nyiso.com](http://www.nyiso.com)

DRAFT – FOR DISCUSSION PURPOSES ONLY

©COPYRIGHT NYISO 2019. ALL RIGHTS RESERVED